IMPLEMENTING DATA MANAGEMENT APPLICATION PROGRAMMING INTERFACE ACCESS RIGHTS IN A PARALLEL FILE SYSTEM

ABSTRACT

In a cluster of computing nodes having shared access
5   to one or more volumes of data storage using a parallel
file system, a method for managing the data storage
includes initiating a data management application in the
cluster using a data management application programming
interface (DMAPI) of the parallel file system. When a
10   request submitted to the parallel file system is received
on one of the nodes to perform an operation on a file in
one of the volumes of data storage, a data management
access right is obtained from the DMAPI responsive to the
request. The operation is performed on the file using
15   the access right.